Name:

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Geometry, Period

Due Date: Fri, 8 May 2015

**Geometry**

**Homework**



**Review problems – show work on all problems!**

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| Find the perimeter of the polygon below.    **A.** 28m  **B.** 30m  **C.** 34m  **D.** 36m | The area of a rectangle with a length of *L* and a width of *W* is given by the equation *A*=*L***.***W*. Which of the following is a correct rewriting of this equation?  **A.**  **B.**  **C.**  **D.** None of the above are correct | |
| Every month Katie gets a $1,600 paycheck. She uses  of her paycheck for rent;  for utilities;  for food; and  for other bills. How much money does Katie have left to put into her savings after these expenses?   1. $150 2. $200 3. $225 4. $250 | Two soup cans are similar in shape. The table below gives some data about these cans.   |  |  |  | | --- | --- | --- | |  | Can 1 | Can 2 | | Area of label | 8 cm2 | 72 cm2 | | Volume of can | 32 cm3 | ? |   What is the volume of the 2nd can?  **A.** 96 cm3  **B.** 288 cm3  **C.** 864 cm3  **D.** 2592 cm3 | |
| On Monday, gas prices increased by  25%. On Tuesday, they increased by  32%. The overall increase over the  two days was…  **A.** 29%  **B.** 47%  **C.** 65%  **D.** 80% | | What is 314,000,000 expressed in scientific notation? |

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| What is the shortest distance from A to B around the perimeter of the isosceles trapezoid below?    **A.** Clockwise (to the right)  **B.** Counter-clockwise (to the left)  **C.** The distances are the same  **D.** Cannot be determined from the given information. | The perimeter of the parallelogram below is 15ft. What is the value of *X*?    **A.** 4.5 ft  **B.** 5.0 ft  **C.** 5.5 ft  **D.** 6.0 ft |
| A tennis ball has a 3 inch radius and a small beach ball has a 5 inch radius. What is the ratio of the tennis ball’s volume to the beach ball’s volume?  **A.**  **B.**  **C.**  **D.** | A Target manager wants to make sure that the chance of a customer selecting a Snickers at the check-out aisle is . If there are currently 9 kinds of candy, and 1 of them is a Snickers, how many more snickers need to be added?  A. 2 B. 3 C. 5 D. 7 E. 8 |
| If one side of the rectangle is 3 times as long as the other side, what expresion could represent the area of the rectangle? Include a picture to justify your answer.   1. x + 3 2. x (x + 3) 3. x ( 3x) 4. x(x) + 3 5. 3x | If one side of the rectangle is 3 inches longer than the other side, what expression could represent the area of the rectangle? Include a picture to justify your answer.   1. x + 3 2. x (x + 3) 3. x ( 3x) 4. x(x) + 3 5. 3x |
| If the rectangle in the problem above had an area of 48 square inches, what are the two side lengths? | If the rectangle in the problem above had an area of 28 square inches, what are the two side lengths? |